

BMX local work update

Paul Stankus

Dec 12, 2016

Dish construction

- The machined dish strut parts are here! The kit for one full dish is waiting at Central Shops to be picked up.
- Have negotiated assembly and parts storage space in the B510 High Bay with the new building space manager Achim Franz; free reign in January.
- Need to unpack, inspect, and sort; can be assembling frames by early next week
- Still need to order cut pieces for reflector sheets from Central Shop; can be installed later
- Production run of 3-D printed parts is ~90% done, just finishing up stragglers

Field preparation

- Have completed nice 3-D CAD drawings for wooden support tower design (CS, PWS).
- Tower and platform design have been given to engineer Jim Mills for structural approval, and to Tom Doyle for carpentry estimation/paperwork.
- Ticket has been submitted to get DSL network service to B839; contacts are Khiry Marshall at ITD and Rich Nieves in Telecom Services.
- Have instructions from John Nastasi for ordering new electrical outlets outside and inside B839; but **need to coordinate placing work order with Donna Grabowski** in Instrumentation.

Field preparation, con't

- We may need to check if use of powerline ethernet adapters is allowed, or needs isolation, etc. Also some concern about radiation, need to make sure that power supply line is very well shielded.
- Laying supply line conduit is a simple job, not yet clear if we are allowed to do it (better to ask forgiveness?).
- New plan calls for mounting digitizer up on tower, as close to receiver as possible. This simplifies shelter and power, don't need a separate shed; but still need to select weatherproof enclosure for DAQ PC, signal generator, and LV PS for amplifiers.